IN THE CLAIMS

	Please cancel claims 1-7, 11-23, and 25-26 without prejudice.
	Please amend claims 8-10 and 24.
	Please add new claims 27 and 28.
	Please enter the pending claims, including claims 8-10, 24, 27, and 28, as follows:
1 2 3	17. (Cancelled)
1	8. (Currently Amended) The A broad-angle multilayer ML mirror of
2	claim 1 comprising a multiple layer structure over a substrate to provide uniform
3	reflectivity over a wide range of incident angles with small phase shifts, the
4	multiple layer structure comprising Molybdenum/Silicon bi-layers with an extra
5	thick layer of Molybdenum next to the substrate wherein the multiple layer
6	Serial No.: 10/811,607 an extra thick layer of Silicon near the substrate. Attorney's Docket No. 42P19028

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1	9. (Currently Amended) The broad-angle ML mirror of claim 8 wherein
2	the extra thick layer of Molybdenum is in a first bi-layer over the substrate no. 1.
3	
4	
	-
1	10. (Currently Amended) The broad-angle ML mirror of claim 8 wherein
2	the extra thick layer of Silicon is in a third bi-layer over the substrate no. 3.
3	
4	
1	1123. (Cancelled)
2	
3	
1	24. (Currently Amended) The An optical system of claim 20 having an
2	extreme ultra-violet (EUV) radiation source, the optical system comprising:
3	a mask;
4	a wafer; and
5	a plurality of reflecting surfaces for imaging the mask on the wafer,
6	including:
7	a broad-angle mirror having a multiple layer structure over a substrate to
8	provide uniform reflectivity over a wide range of angles with small phase shifts,
9	the broad-angle mirror comprising bi-layers with an extra thick layer of Serial No.: 10/811,607 Attorney's Docket No. 42P19028

- Molybdenum next to the substrate wherein the broad-angle mirror further comprises: and an extra thick layer of Silicon near the substrate.

 12
 13
 1 25.-26. (Cancelled)
 2
- 4 27. (New) The optical system of claim 24 wherein the extra thick layer of Molybdenum is in a first bi-layer over the substrate.

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1 28. (New) The optical system of claim 24 wherein the extra thick layer of 2 Silicon is in a third bi-layer over the substrate.